Sacramento Valley

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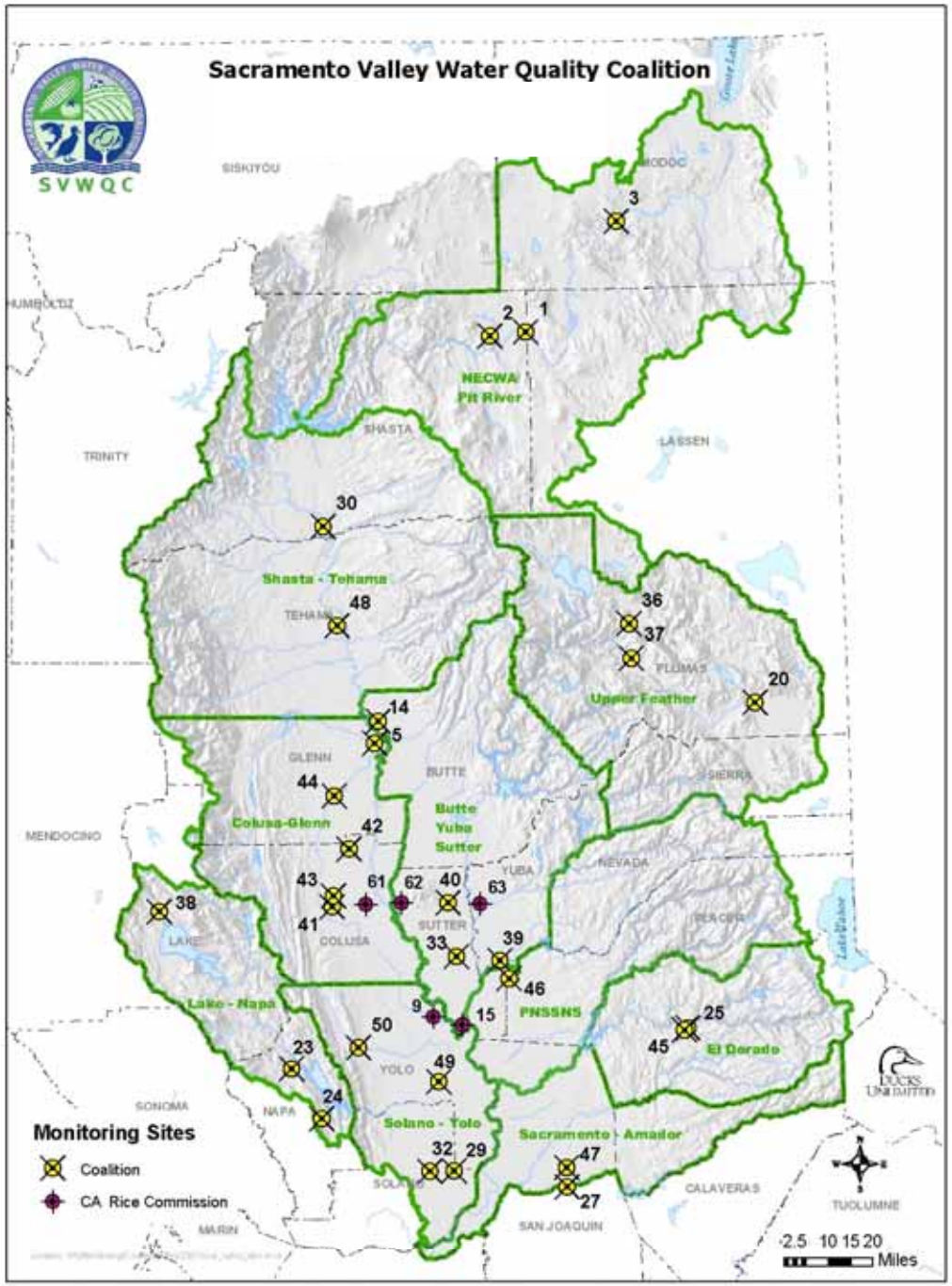
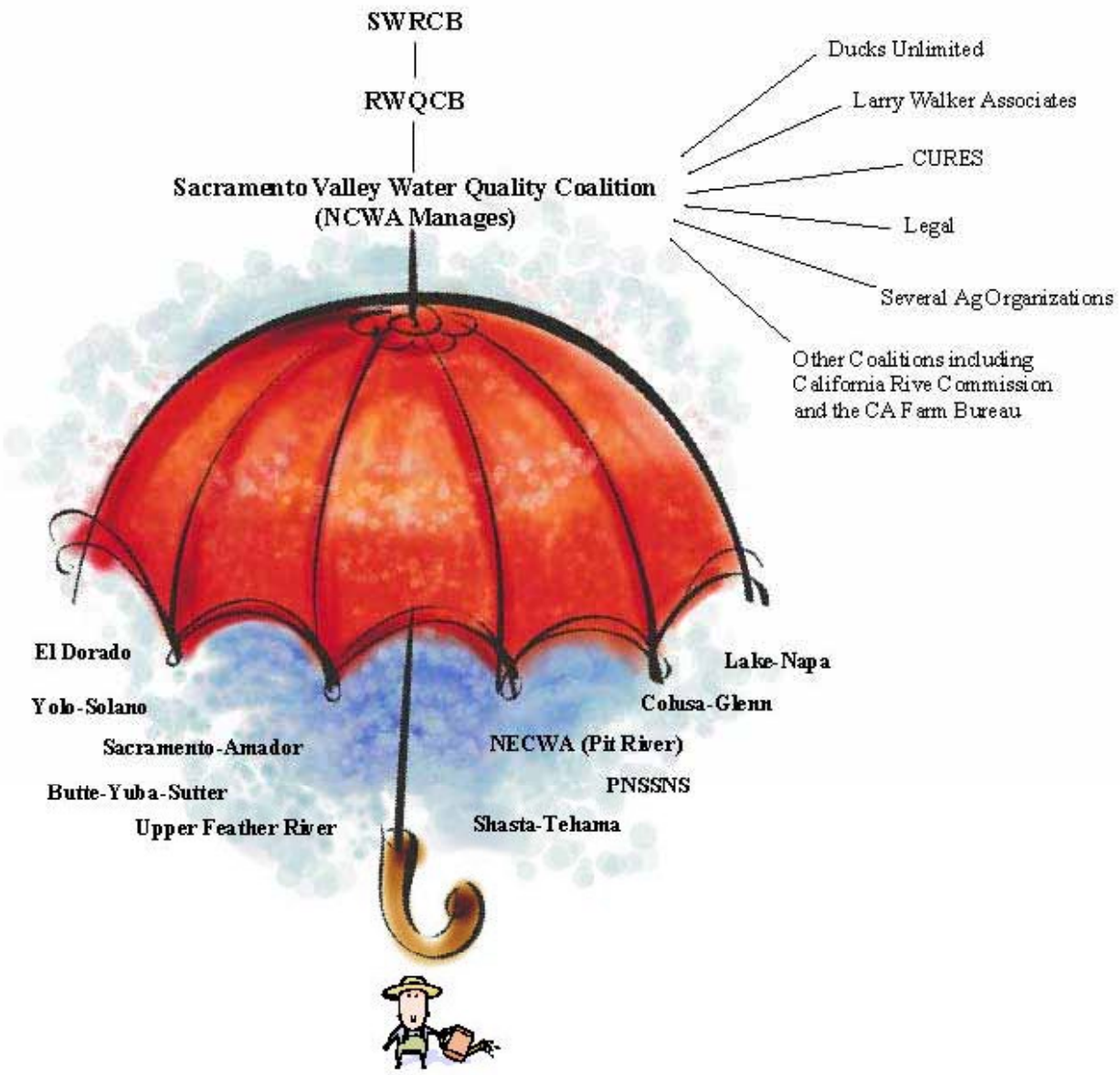
Sacramento Valley Water Quality Coalition

- *>8,600 participants*
- >1.2 million irrigated acres enrolled in the Coalition
- ~30 Monitoring Sites
- 10 Subwatersheds




SWRCB
RWQCB
Sacramento Valley Water Quality Coalition
(NCWA Manages)
Ducks Unlimited
Larry Walker Associates
CURES
Legal
Several Ag Organizations
Other Coalitions including
California Rive Commission
and the CA Farm Bureau
El Dorado
Yolo-Solano
Sacramento-Amador
Butte-Yuba-Sutter
Upper Feather River
Lake-Napa
Colusa-Glenn
NECWA (Pit River)
PNSSNS
Shasta-Tehama

Quick Snap Shot

How do we measure up?

*May not include all Exceedances

Subwatershed	What Exceedances Have We Seen?
BYS	DO, EC, **E. coli**, TDS, Selenastrum, DDE, Diazinon, Hyalella, Chlorpyrifos, pH
Colusa-Glenn	Ceriodaphnia, **E. coli**, EC, pH, DO, TDS, DDE, DDD, DDT, Hyalella, Selenastrum
El Dorado	Ceriodaphnia, DDE, **E. coli**, Hyalella
Lake-Napa	**E. coli**, pH
Pit River	DO, pH, **E. coli**
PNSSNS	**E. coli**, Copper, DO, pH, Chlorpyrifos
Sacramento-Amador	DO, pH, **E. coli**, Hyalella, Ceriodaphnia, Nitrate, DDT, EC, TDS*
Shasta-Tehama	**E. coli**, Ceriodaphnia, Hyalella, DO
Solano-Yolo	pH, Chlorpyrifos, **E. coli**, Selenastrum, boron, DDE, DO, EC, Hyalella, Selenium, TDS
UFRWG	DO, **E. coli, pH**

Management Plans

More than one exceedance in a 3 year period requires a Management Plan

- Diazinon Management Plan
- Yolo Management Plan, Solano and Yolo Co.
- Ceriodaphnia Toxicity In Coon Hollow Creek, El Dorado Co.
- Sacramento Valley Management Plan

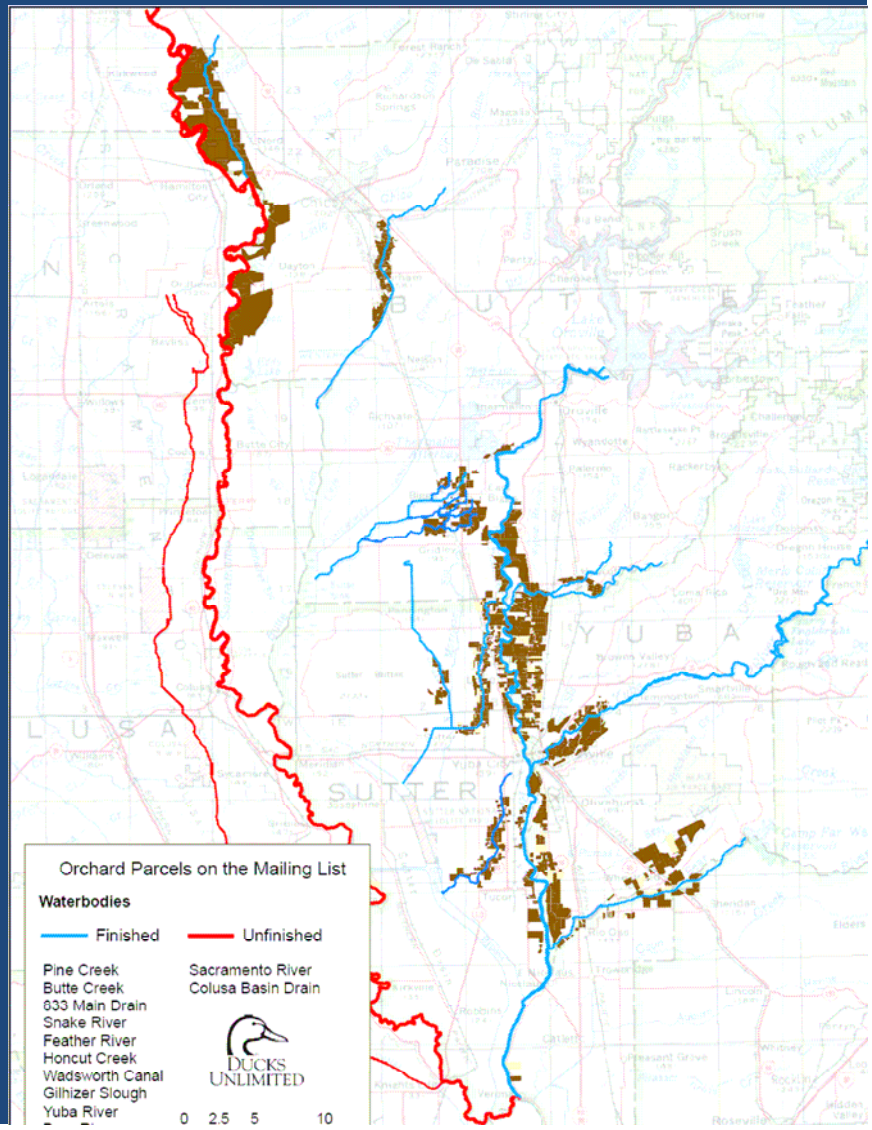
E. coli	*Water & Sediment Toxicity*	*Conductivity*
pH	*Legacy Pesticides*	*TDS*
DO	*Chlorpyrifos*	*Others*

- Provide addendums to Sacramento Valley Management Plan as needed

Tactical Approach to Solve Problems

Identify High Risk Fields Through GIS mapping

- Fields bordering waterways/drain into waterways



BMP Survey

SVWQC

Management Practices & Water Quality Survey

Completion of this survey is mandatory.

1. What are the top 3 crops grown on your irrigated land?

   Crop: _____ Estimated Acres: _____
   Crop: _____ Estimated Acres: _____
   Crop: _____ Estimated Acres: _____

2. What kind of drainage system is used to handle runoff from storms or irrigation water?

Storm	Irrigation		Storm	Irrigation	
☐	☐	Discharge to local drainage system	☐	☐	Sediment settling ditch
			☐	☐	None
☐	☐	Recirculating system	☐	☐	No runoff occurs
☐	☐	Holding basin	☐	☐	Other _____

3. Who is most responsible for making decisions about application of pesticides or manure for your operation?

   ☐ Owner ☐ Employee ☐ Other: _____

4. Who actually applies the pesticides or manure for your operation?

   ☐ Owner ☐ Employee ☐ Contractor ☐ Other: _____

5. What most influences your decision to select a pesticide or other pest management strategy in your field(s)?

   ☐ Monitor pest situation; use appropriate treatment
   ☐ Spray based on past history of pest problems
   ☐ Spray according to calendar date

6. Have you applied pyrethroid insecticides (Asana, Ambush, Capture, Karate, Pounce, etc.) to your crop in the last 12 months? _____

Next Steps

- Monitoring Plan
- Management Plans